

Amendments to the Claims

Please amend the claims as instructed in the marked-up version of the Listing of Claims presented below. This Listing of Claims replaces all prior versions, and listings, of the claims in the application.

Listing of Claims

1-22. (Cancelled)

23. (Currently Amended) A battery pack configured to be interfaced with a power tool,
the battery pack comprising:

a housing;

a cell having a voltage, power being transferable between the cell and the
~~electrical device~~ power tool;

a controller operable to control a function of the battery pack, the
controller being operable with a voltage at least one of equal to and greater than an
operating voltage threshold, the cell being operable to selectively supply voltage to the
controller; and

a circuit operable to enable the controller to operate when the voltage
supplied by the cell to the controller is below the operating voltage threshold of the
controller, the circuit including a switch operable to selectively interrupt the transfer of
power between the cell and the power tool while the power tool is being operated by a
user, the switch including a FET.

24. (Original) The battery pack as set forth in Claim 23 wherein the circuit is operable to
supply voltage to the controller such that the voltage supplied to the controller is at least
one of equal to and greater than an operating voltage threshold.

25. (Original) The battery pack as set forth in Claim 24 wherein the circuit includes a
boost circuit operable to boost the voltage supplied by the cell to at least one of equal to
and greater than an operating voltage threshold.

26. (Currently Amended) The battery pack as set forth in Claim 24 wherein the circuit includes a power source operable to supply voltage to the controller such that the voltage supplied to the controller is at least one of equal to and greater than an operating voltage threshold, the power source not being operable to supply power to the ~~electrical device~~ power tool.

27. (Original) The battery pack as set forth in Claim 26 wherein the power source includes a power component operable to supply voltage to the controller such that the voltage supplied to the controller is at least one of equal to and greater than an operating voltage threshold.

28. (Original) The battery pack as set forth in Claim 27 wherein the power component includes a capacitor operable to supply voltage to the controller such that the voltage supplied to the controller is at least one of equal to and greater than an operating voltage threshold.

29. (Original) The battery pack as set forth in Claim 27 wherein the power component includes a battery cell operable to supply voltage to the controller such that the voltage supplied to the controller is at least one of equal to and greater than an operating voltage threshold.

30. (Cancelled)

31. (Currently Amended) The battery pack as set forth in Claim ~~30~~ 23 wherein ~~the switch includes a FET~~, the controller ~~being~~ is operable to control the FET such that the voltage supplied by the cell to the controller is at least one of equal to and greater than an operating voltage threshold.

32. (Currently Amended) The battery pack as set forth in Claim 23 wherein the cell is operable to supply power to the ~~electrical device~~ power tool to operate the ~~electrical device~~ power tool.

33. (Cancelled)

34. (Currently Amended) The battery pack as set forth in Claim 32 wherein, when the cell is at a low temperature, the supply of power to the ~~electrical device~~ power tool causes the voltage supplied by the cell to the controller to be below the operating voltage threshold.

35. (Currently Amended) The battery pack as set forth in Claim 34 wherein, when the cell is at a higher temperature, the supply of power to the ~~electrical device~~ power tool does not cause the voltage supplied by the cell to the controller to be below the operating voltage threshold.

36. (Currently Amended) The battery pack as set forth in Claim 32 wherein, when an ambient temperature is a low temperature, the supply of power to the ~~electrical device~~ power tool causes the voltage supplied by the cell to the controller to be below the operating voltage threshold.

37. (Currently Amended) The battery pack as set forth in Claim 36 wherein, when the ambient temperature is at a higher temperature, the supply of power to the ~~electrical device~~ power tool does not cause the voltage supplied by the cell to the controller to be below the operating voltage threshold.

38. (Currently Amended) The battery pack as set forth in Claim 32 wherein a load on the ~~electrical device~~ power tool causes the voltage supplied by the cell to the controller to be below the operating voltage threshold.

39. (Original) The battery pack as set forth in Claim 32 wherein the operating voltage threshold is about 5 volts.

40. (Original) The battery pack as set forth in Claim 32 wherein the operating voltage threshold is about 3 volts.

41. (Currently Amended) The battery pack as set forth in Claim 33 wherein the function includes interrupting the transfer of power between the cell and the ~~electrical device~~ power tool.

42. (Currently Amended) The battery pack as set forth in Claim 41 wherein the cell is operable to supply power to the ~~electrical device~~ power tool to operate the ~~electrical device~~ power tool, and wherein the function includes interrupting the supply of power from the cell to the ~~electrical device~~ power tool.

43-93. (Cancelled)

94. (Currently Amended) A method of conducting an operation including which includes operating a battery pack, the battery pack including a cell having a voltage, power being transferable between the cell and the ~~electrical device~~ a power tool, a controller operable to control a function of the battery pack, the controller being operable with a voltage at least one of equal to and greater than an operating voltage threshold, the cell being operable to selectively supply voltage to the controller, and a circuit including a switch, the switch including a FET, said method comprising the act of enabling the controller to operate when the voltage supplied by the cell to the controller is below the operating voltage threshold of the controller, wherein the enabling act includes the act of controlling the FET such that the transfer of power between the cell and the power tool is selectively interrupted while the power tool is being operated by a user.

95. (Currently Amended) The method as set forth in Claim 94 wherein the ~~battery~~ includes a circuit is operable to supply voltage to the controller, and wherein the enabling

act includes the act of, with the circuit, supplying a voltage to the controller such that the voltage supplied to the controller is at least one of equal to and greater than an operating voltage threshold.

96. (Original) The method as set forth in Claim 95 wherein the circuit includes a boost circuit operable to boost the voltage supplied by the cell, and wherein the supplying act includes boosting the voltage supplied to the controller by the cell to at least one of equal to and greater than an operating voltage threshold.

97. (Currently Amended) The method as set forth in Claim 95 wherein the circuit includes a power source operable to supply voltage to the controller, the power source not being operable to supply power to the ~~electrical device~~ power tool, and wherein the supplying act includes the act of supplying voltage from the power source to the controller such that the voltage supplied to the controller is at least one of equal to and greater than an operating voltage threshold.

98. (Original) The method as set forth in Claim 97 wherein the power source includes a power component operable to supply voltage to the controller, and wherein the supplying act includes the act of supplying voltage from the power component to the controller such that the voltage supplied to the controller is at least one of equal to and greater than an operating voltage threshold.

99. (Original) The method as set forth in Claim 98 wherein the power component includes a capacitor operable to supply voltage to the controller, and wherein the supplying act includes the act of supplying voltage from the capacitor to the controller such that the voltage supplied to the controller is at least one of equal to and greater than an operating voltage threshold.

100. (Original) The method as set forth in Claim 98 wherein the power component includes a battery cell operable to supply voltage to the controller, and wherein the supplying act includes the act of supplying voltage from the battery cell to the controller

such that the voltage supplied to the controller is at least one of equal to and greater than an operating voltage threshold.

101. (Cancelled)

102. (Currently Amended) The method as set forth in Claim ~~101~~ 94 ~~wherein the switch includes a FET, and~~ wherein the enabling act further includes the act of controlling the FET such that the voltage supplied by the cell to the controller is at least one of equal to and greater than an operating voltage threshold.

103. (Currently Amended) The method as set forth in Claim 94 and further comprising the act of supplying power from the cell to the ~~electrical device~~ power tool to operate the ~~electrical device~~ power tool.

104. (Cancelled)

105. (Currently Amended) The method as set forth in Claim 94 and further comprising the act of, with the controller, interrupting the transfer of power between the cell and the ~~electrical device~~ power tool.

106. (Currently Amended) The method as set forth in Claim 105 wherein the cell is operable to supply power to the ~~electrical device~~ power tool to operate the ~~electrical device~~ power tool, and wherein the interrupting act includes the act of interrupting the supply of power from the cell to the ~~electrical device~~ power tool.

107. (Cancelled)